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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT -
KAMCHATKA, 6 APRIL 1975

J. R. Woolson, et al

Teledyne Geotech

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
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J.R.Woolson, D.D.Solari, D.J.Reinbold, and R.J.Markle
Alexandria Laboratories

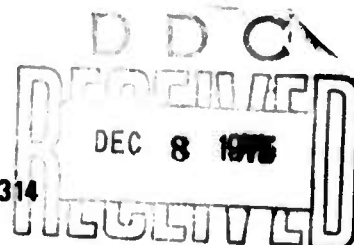
Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

September 1975

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SDCS Event Report No. 1

Kamchatka, 06 April 1975

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	Origin Time	Latitude	Longitude	m_b	M_s
NORSAR	10:35:02	53 N	158 E	5.7	
LASA	10:34:53	52.2N	158.4E	5.5	
PDE	10:34:57	52.2N	160.0E	5.7	6.2
Hagfors Array, Sweden	10:34:47	51 N	157 E	6.0	6.7

Using SDCS stations, LASA and NORSAR, the epicenter location becomes

SDCS & Arrays	10:34:57	52.0N	159.8E	5.5	5.9
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Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

FN-WV was not operational for this event. LASA, NORSAR and ALPA long-period signals were not recoverable.

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	MN SECS		SHORT-PERIOD	LONG-PERIOD
ALPA	Pedro Dome, Alaska	65	00 36.0 N 147 36 00.0 W	457	None	31300
CPSO	McMinnville, Tennessee	35	35 41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38	32 58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46	41 19.0 N 106 13 20.0 W	744	HS10 V	7505A V 8700C H
HN-ME	Houlton, Maine	46	09 43.0 N 067 59 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	60	49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50	50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60	41 41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

--HYPO--

Input for Event 6 April 1975
 10:34:53.0 52.200N 158.400E 33KM

Sta.	Arrival	Residuals			Dist Rest	Az Rest
		Surf	Calc	Rest		
WII2YK	10 41 51.2	-0.5	-0.5	-0.6	35.7	49.9
LAO	10 44 41.4	1.1	1.2	1.1	57.3	54.7
RK-ON	10 45 01.0	0.1	0.1	0.2	60.3	44.4
NAO	10 45 31.1	-0.0	0.0	-0.0	64.8	343.8
HN-ME	10 46 28.5	0.3	0.3	0.4	74.0	32.4
CPO	10 46 37.9	-1.0	-1.0	-1.1	75.8	49.8

67 Herrin Travel Time Tables

Origin	Lat.	Long.	Depth (KM)	SDV	IT	Sta
10:34:41.2	51.842N	159.713E	0. Surf	0.7	3	6
10:34:44.9	51.698N	159.634E	-35. Calc	0.7	6	6
10:34:56.8	51.989N	159.793E	33. Rest	0.7	3	6

Surf					Calc					Rest				
1	.	0			1	.	0			1	.	0		
0			5		0			5		0			5	
0	0	.	0	0	0	0	.	0	0	0	0	.	0	0
.
0	0	.	0	0	0	0	.	0	0	0	.	0	0	0
0		.	0		0		.	0		0		.	0	
0	.	0			0	.	0			0	.	0		

CHI2 Coverage Ellipse; 95 Per Cent Conf..Level, SDV=1.01

Major 164.8KM. Minor 40.5KM. AZ= 11 Area= 20949 Sq.KM. Surf
 Major 165.8KM. Minor 40.4KM. AZ= 11 Area= 21065 Sq.KM. Rest

--HYPO--

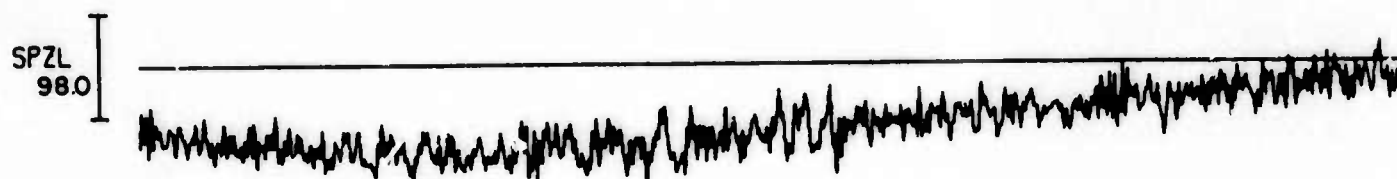
Input for Event 6 April 1975
10:34:53.0 52.200N 159.400E 33KM

Sta.	Phase	Arrival Time	Inst	Per	A/T	Magnitude		Dir	Dist
						M _b	M _s		
WH2YK	EP	10 41 51.2	SPZH	1.0	41.	4.96			35.7
WH2YK	LQ	10 53 07.0	LPRH	99.9	0.				
WH2YK	LR	10 59 09.0	LPZL	20.0	1648.		5.89		35.7
LAO	EP	10 44 41.14	AB	0.9	101.	5.50			57.3
RK-ON	EP	10 45 01.0	SPZH	0.8	83.	5.46			60.3
RK-ON	LR	11 13 35.0	LPZL	21.0	2302.		6.26		60.3
NAO	EP	10 45 31.1	AB	0.9	187.	5.87			64.8
HN-ME	EP	10 46 28.5	SPZH	1.0	164.	5.65			74.0
HN-ME	LQ	11 13 24.0	LPRH	27.0	205.				
HN-ME	LR	11 22 03.0	LPZL	20.0	467.		5.66		74.0
CPO	EP	10 46 37.9	SH	1.3	133.	5.61			75.8
CPO	LR	11 21 46.0	LPZ	21.0	2258.		6.35		75.8

Origin	Lat.	Long.	Depth (KM)	Mag	SDV	Sta	LPMAG	LPSDV	LPSTA
10:34:51.2	51.842N	159.713E	0. Surf	5.55	0.36	6	6.04	0.3	4
10:34:44.9	51.698N	159.634E	0. Calc	5.55	0.36	6	6.04	0.3	4
10:34:56.8	51.989N	159.793E	33. Rest	5.51	0.30	6	6.04	0.3	4

STATION WH2YK 06 APR 75

10:46:28.5



10 sec

STATION RK-ON 06 APR 75

10:45:01.0

SPZH
88.0

SPZL
114

SPRH
28.1

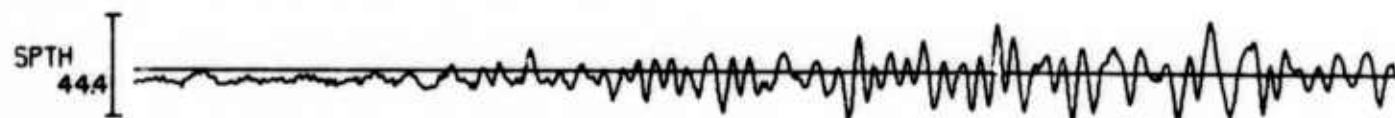
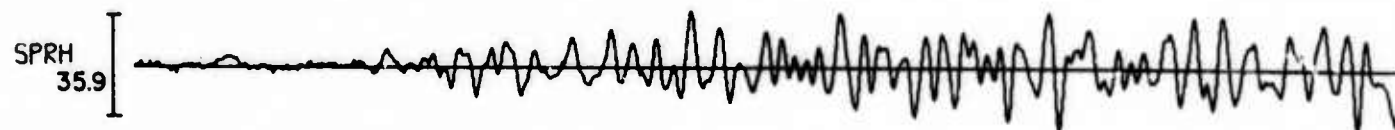
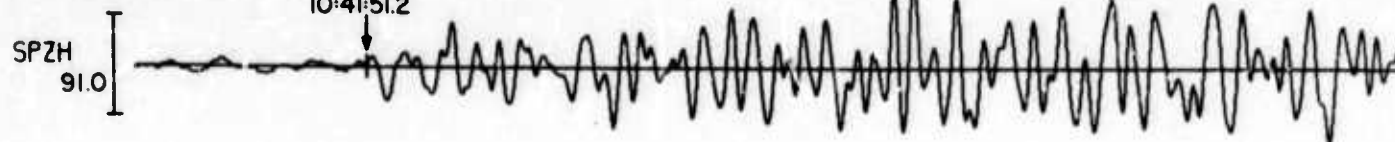
SPTH
50.5

T

10 sec

STATION HN-ME 06 APR 75

10:41:51.2



10 sec

STATION CPSO 06 APR 75

10:46:37.9

SPZH
69.0

SPZL
132

SPRH
30.2

SPTH
36.3

T

10 sec

1 6 APR 1975

2 10 34 53 52.2N 158.4E 330 C 5.5 218 NEAR EAST COAST KAMCHATKA

3 10 44 41.6 LAO P 68.6 1.1 15.9 57.9 313.7

EPX 97805

BP-B 0.6-2.0 HZ

ABN 14

10:44:31.6

AB 130

FAB 140

WAB 140

PAB1 120

PAB2 110

PAB3 160

PAB4 150

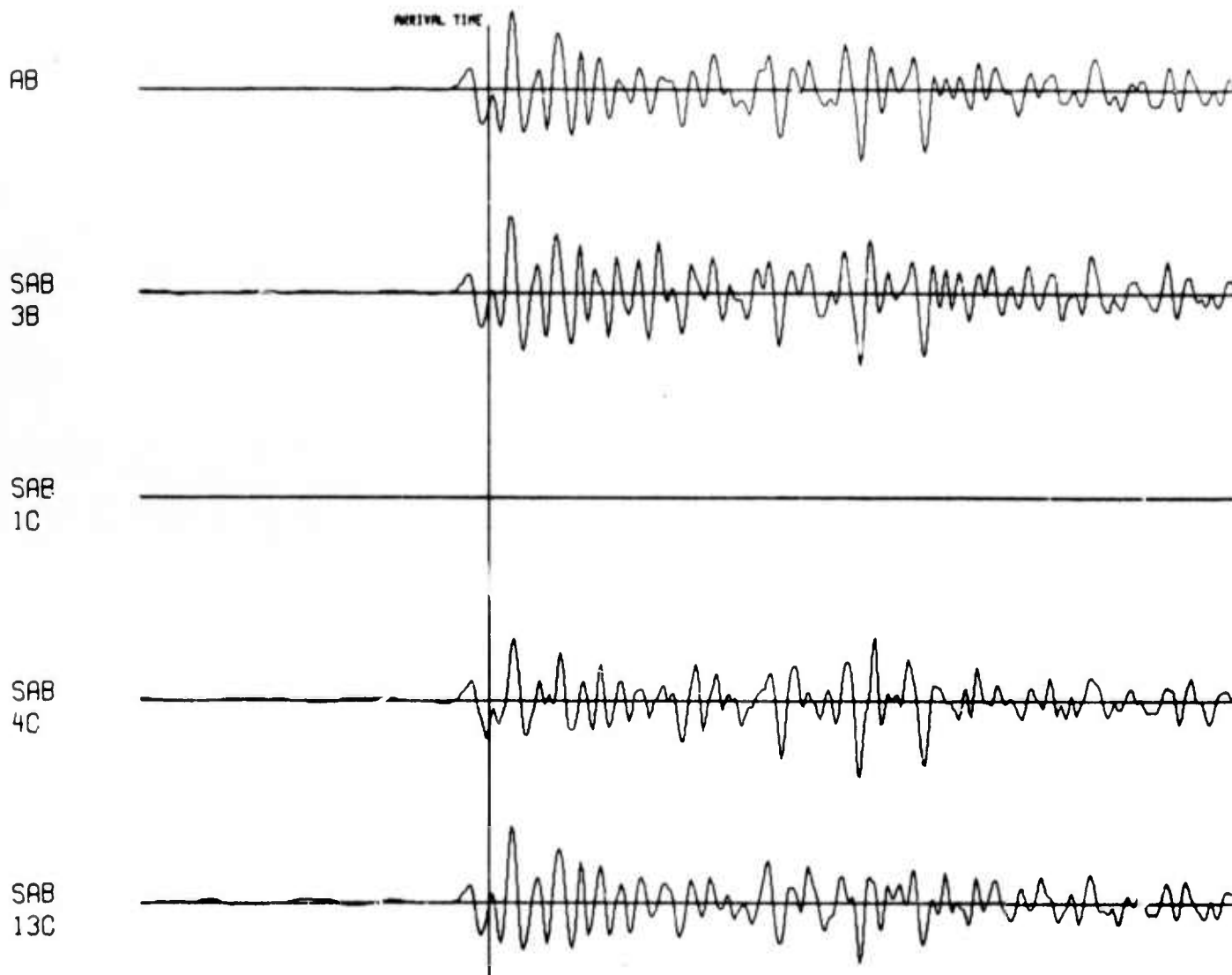
NORSAR EVENT FILE

1975 APR 6

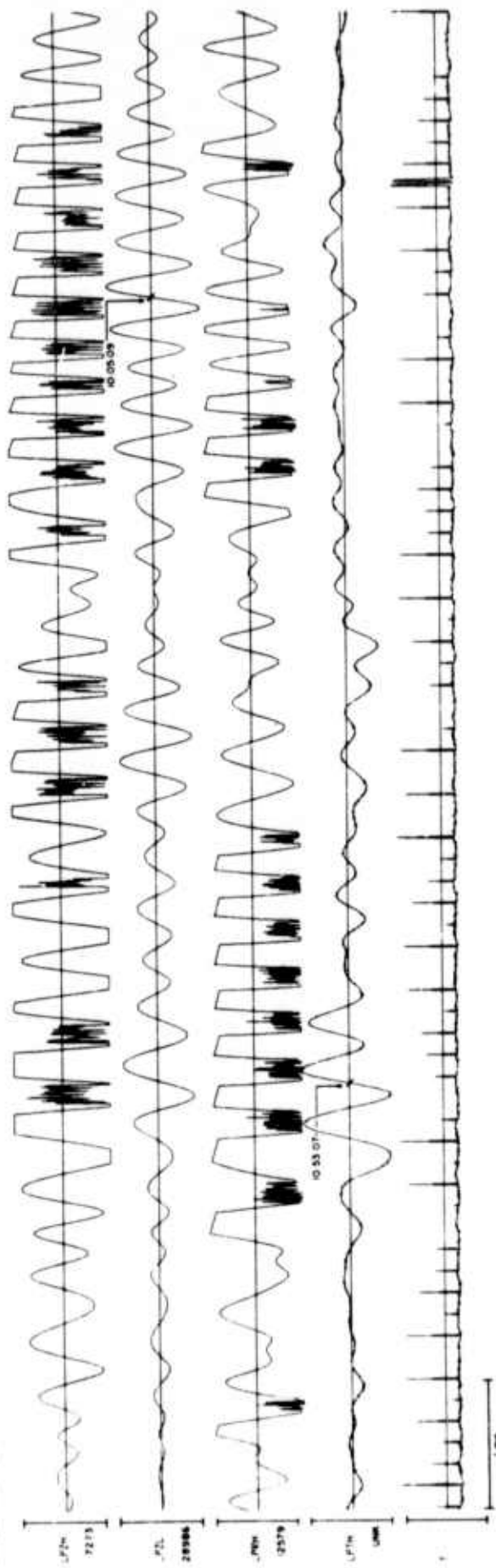
EPX NO. 16570 ARR. 10.45.33.0 52.6N 158.4E 5.7MB 33KM

DIST = 64.0 AZI = 21.3 AMP = 96.5 PER = 0.9 UMETH 2

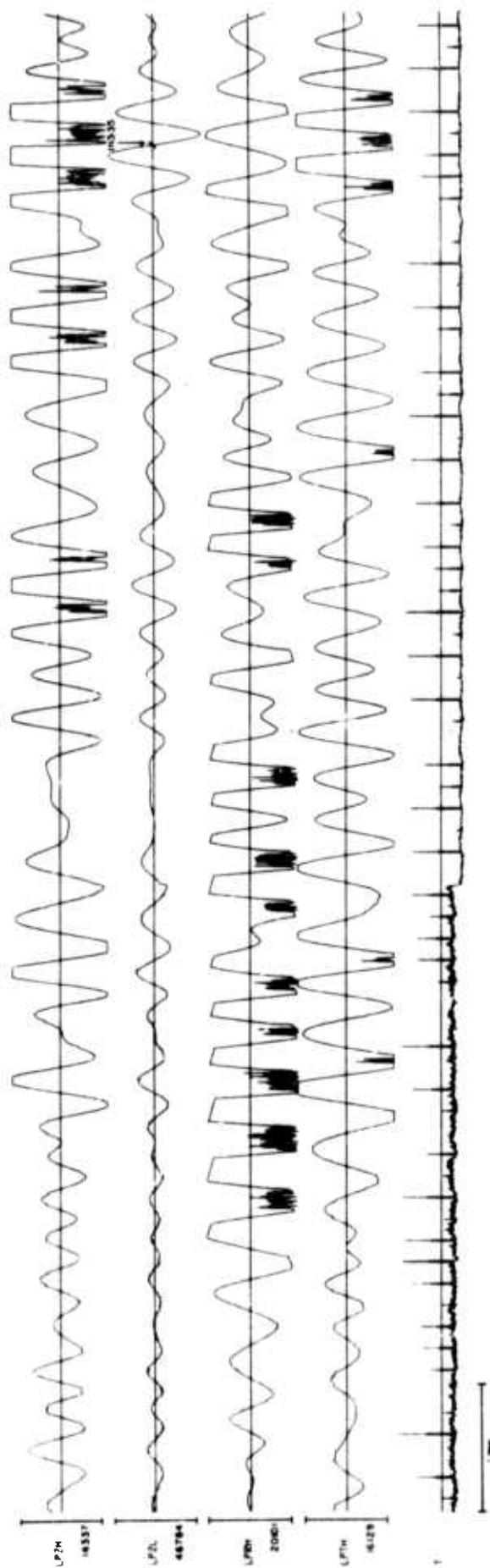
— = 5 SECONDS



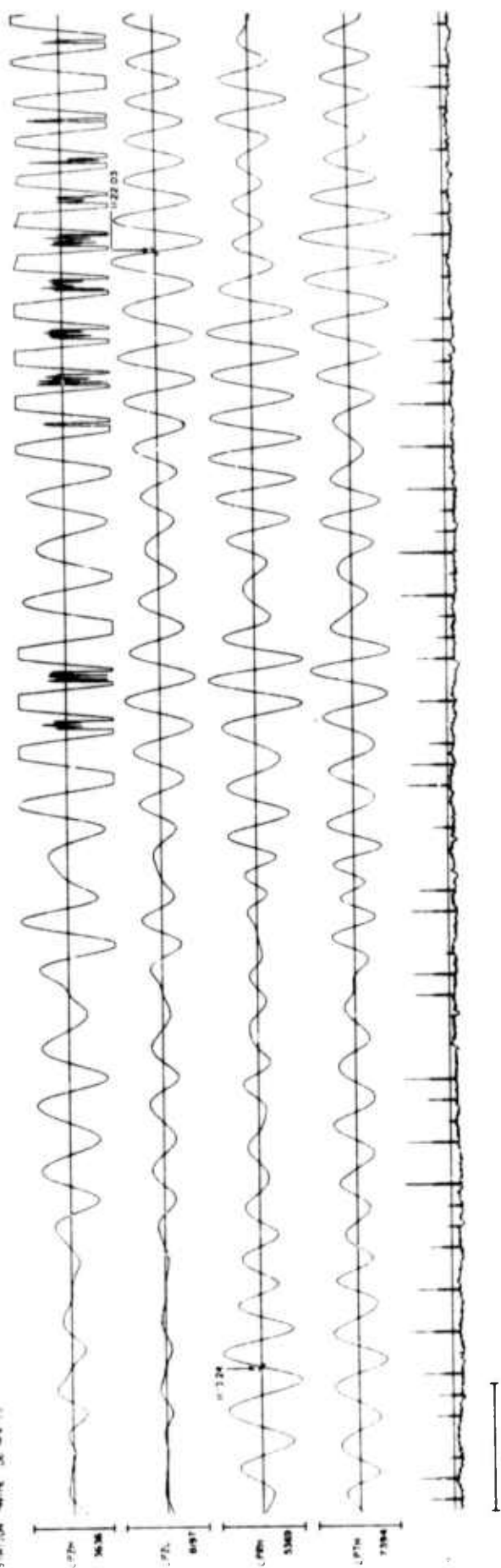
STATION 4474 - 26 APR 75



STATION RE-ON 26 APR 75



Station 44-45-46-47-48-49-50



STATION CP50 06 APR 75

